



Attorney Docket No.: 40853-01-5133-US  
Client Ref. No.: NEO00262US

PTO/SB/01A (10-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION  
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**Title:** BRANCHED WATER-SOLUBLE POLYMERS AND THEIR CONJUGATES

As the below named inventor(s), I/we declare that:

This declaration is directed to:

The attached application, or

Int'l. Application No. PCT/US04/07931, filed on March 15, 2004,

Application No. 10/549,445, filed on September 14, 2005,

as amended on \_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**

Inventor one Shawn DeFrees Date: 5/11/2006

Signature: [Signature] Citizen of: United States

Inventor two \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Inventor three \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Inventor four \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Citizen of: \_\_\_\_\_

Additional inventors are being named on \_\_\_\_ additional form(s) attached hereto.



Neose 0026205

Please type a plus sign (+) in this box → ☐

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

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|  |                                  |  |
|--|----------------------------------|--|
| <b>POWER OF ATTORNEY OR<br/>AUTHORIZATION OF AGENT</b> | <b>Int'l. Application Number</b> | PCT/US04/07931   |
|  | <b>Int'l. Filing Date</b>        | March 15, 2004   |
|  | <b>U.S. Application Number</b>   | 10/549,445   |
|  | <b>Filing Date</b>               | September 14, 2005   |
|  | <b>First Named Inventor</b>      | DeFrees, Shawn   |
|  | <b>Title</b>                     | BRANCHED WATER-SOLUBLE<br>POLYMERS AND THEIR<br>CONJUGATES |
|  | <b>Group Art Unit</b>            | To be assigned   |
|  | <b>Examiner Name</b>             | To be assigned   |
| <b>Attorney Docket Number</b>                          | 40853-01-5133-US                 |  |

I hereby appoint:

Practitioners at Customer Number  → 

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Number Bar Code  
Label here

**OR**

Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
|      |                     |
|      |                     |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

**OR**

|                            |  |       |  |     |  |
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| Address                    |  |       |  |     |  |
| City                       |  | State |  | ZIP |  |
| Country                    |  |       |  |     |  |
| Telephone                  |  | Fax   |  |     |  |

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

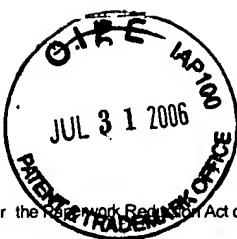
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

| SIGNATURE of Applicant or Assignee of Record |  |
|--|--|
| Name   | Debra Poul, Esq., Senior Vice President, General Counsel and Secretary, Neose Technologies, Inc. |
| Signature                                    |  |
| Date   | May 11, 2006   |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PTO/SB/96 (08-00)  
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Attorney Docket No. 040853-01-5133-US  
Client Ref. No.: NEO00262US

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Shawn DeFreees

Application No./Patent No.: 10/549,445

Filed/Issue Date: September 14, 2005

Entitled: BRANCHED WATER-SOLUBLE POLYMERS AND THEIR CONJUGATES

Neose Technologies, Inc., a Delaware corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To : \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To : \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To : \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

May 11, 2006

Date

Signature

Debra J. Poul, Esq.

Typed or printed name

Senior Vice President, General Counsel and Secretary

Title

Borden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

COPY AS SENT TO THE USPTO FOR RECORDATION

Attorney Docket No.:040853-01-5133-US  
Client Reference No.: NEO00262US/371

### ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Shawn DeFrees, 126 Filly Drive, North Wales, PA 19454, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified patent application:

|                     |  |
|---------------------|--|
| Title of Invention: | BRANCHED WATER-SOLUBLE POLYMERS AND THEIR CONJUGATES |
| Filing Date:        | September 14, 2005                                   |
| Application No.:    | 10/549,445; and                                      |

WHEREAS, Neose Technologies, Inc., located at 102 Witmer Road, Horsham, PA 19044, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 5/11/2006

SHAWN DEFREES

STATE OF PENNSYLVANIA           )  
COUNTY OF MONTGOMERY         ) ss.

On 5/11/06, before me, Elizabeth J. Jones personally appeared Shawn DeFrees, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_